U.S. Department of Energy Energy Information Administration Form EIA-860 (2007)

ANNUAL ELECTRIC GENERATOR REPORT

Form Approved OMB No. 1905-0129 Approval Expires:

NOTICE: This report is **mandatory** under the Federal Energy Administration Act of 1974 (Public Law 93-275). Failure to comply may result in criminal fines, civil penalties and other sanctions as provided by law. For further information concerning sanctions and data protections see the provision on sanctions and the provision concerning the confidentiality of information in the instructions. **Title 18 USC 1001 makes it a criminal offense for any person knowingly and willingly to make to any Agency or Department of the United States any false, fictitious, or fraudulent statements as to any matter within its jurisdiction.**

SCHEDULE 1. IDENTIFICATION								
	Survey Contact							
First Name:	Last Name:							
Title:								
Telephone (include extension):	Fax:							
E-mail:								
Supervisor o	of Contact Person for Survey							
First Name:	Last Name:							
Title:								
Telephone (include extension):	Fax:							
E-mail:								
	Report For							
Entity Name:								
Entity ID:								
Reporting Year:								
Entity ar	nd Preparer Information							
Legal Name of Entity:								
Current Address of Principal Business Office of Entity (Plant Operator):	-							
Preparer's Legal Name (If Different From Entity's Legal Name):								
Current Address of Preparer's Office (If Different From Current Address of Principal Business Office of Entity):								
Is the Reporting Entity an Electric Utility?	[] Yes							
For questions or additional informatio	n about the Form EIA-860, contact the Survey Managers:							
Kenneth McClevey	Glenn McGrath							

Telephone Number: (202) 586-4258 FAX Number: (202) 287-1960 E-mail: Kenneth.McClevey@eia.doe.gov Glenn McGrath
Telephone Number: (202) 586-4325
FAX Number: (202) 287-1960
E-mail: Glenn.McGrath@eia.doe.gov

Energy li	artment of Enern formation Adn A-860 (2007)		ANNUAL ELEC	Form Approve OMB No. 1905 Approval Expi	-0129			
Entity N	Name:							
Entity I	D:			Repo	rting Y	ear:		_
		SCH	IEDULE 2. PO	WER PLAN	Γ DAT	A		
	(EXISTING P	OWER PLANTS AND	THOSE PLANNED FO	R INITIAL COMM	ERCIAL (PERATION WITH	N 5 YEARS)	
LINE	PLA	NT 1. (EXISTING OF	R PLANNED FOR I	NITIAL COMME	RCIAL	PERATION WIT	HIN 5 YEARS)
1	Plant Name			EIA Plant Code				
2	Street Address							
3	County Name							
4	State							
5	Zip Code							
6	Latitude (Degrees	, Minutes, Seconds)		Longitude (De	egrees, M	inutes, Seconds)		
7	Enter Datum for L	atitude and Longitude	, if Known; Otherwise	Enter "UNK"				
8	NERC Region							
9	Name of Water So	urce (For Purpose of 0	Cooling or Hydroelec	tric)				
10	Boiler Status [] existing [] pl	anned [] retire	d				
11	Boiler Plant Type or Greater to Unde	[] Organic 100 M er 100 MW generator n	W or more generator ameplate capacity	nameplate capac	city [] Organic 10 MW		
12	Primary Purpose	of the Plant (North Am	erican Industry Class	ification System	Code)			
13	Does this plant ha Cogenerator statu	ve Federal Energy Ress? If Yes, provide all	gulatory Commissior QF docket number(s)	(FERC) Qualifyir . Separate by us	ng Facilit	y (QF) nma.	[] Yes	[] No
14		ve Federal Energy Retatus? If Yes, provide					[] Yes	[] No
15		ve Federal Energy Restor status? If Yes, pro		[] Yes	[] No			
16		ssion and/or Distribut ilities to which the pla					Grid Voltage:	

Energy I	partment of Ene nformation Adr A-860 (2007)		ANNUAL ELECT	RIC GENERA PORT	ATOR	Form Approve OMB No. 1905 Approval Expi	-0129	
Entity I	Name:				_			
Entity I	D:			Repoi	rting Y	ear:		
,		SCH	IEDULE 2. POW					
	(FYISTING F	POWER PLANTS AND					N 5 VFARS)	
LINE	,	NT 2. (EXISTING OF						S)
1	Plant Name							
2	Street Address							
3	County Name			City Name:				
4	State							
5	Zip Code							
6	Latitude (Degrees	, Minutes, Seconds)		Longitude (De	grees, Mi	inutes, Seconds)		
7	Enter Datum for La	atitude and Longitude,	if Known; Otherwise I	Enter "UNK"				
8	NERC Region							
9	Name of Water So	urce (For Purpose of C	cooling or Hydroelectri	c)				
10	Boiler Status [] existing [] pl	anned [] retired					
11	Boiler Plant Type MW or Greater to	[] Organic 100 M Under 100 MW generat	IW or more generator or nameplate capacity		acity	[] Organic 10		
12	Primary Purpose of	of the Plant (North Ame	erican Industry Classif	ication System (Code)			
13		ve Federal Energy Reg s? If Yes, provide all 0					[] Yes	[] No
14		ve Federal Energy Reg tatus? If Yes, provide					[] Yes	[] No
15		ve Federal Energy Reg tor status? If Yes, pro					[]Yes	[] No
16		ssion and/or Distributi ies to which the plant i		Grid Voltage:	:			

Energy	partment of End Information Ad IA-860 (2007)		ANNUAL ELECT	RIC GENERATO PORT	R Form Approve OMB No. 1905 Approval Exp	5-0129
Entity	Name:					
Entity	ID:			Reporting	g Year:	
		SCH	HEDULE 2. POW	ER PLANT D	ATA	
	(EXISTING	POWER PLANTS AND	THOSE PLANNED FOR	INITIAL COMMERCI	AL OPERATION WITH	IN 5 YEARS)
LINE	PL	ANT 3. (EXISTING OR	R PLANNED FOR INIT	TIAL COMMERCIA	L OPERATION WITI	HIN 5 YEARS)
1	Plant Name	-	EIA	Plant Code		·
2	Street Address					
3	County Name			City Name:		
4	State			•		
5	Zip Code					
6	Latitude (Degrees	, Minutes, Seconds)		Longitude (Degrees	s, Minutes, Seconds)	
7	Enter Datum for L	atitude and Longitude,	if Known; Otherwise En	ter "UNK"		
8	NERC Region					
9	Name of Water So	urce (For Purpose of C	ooling or Hydroelectric			
10	Boiler Status []	existing [] planr	ned [] retired			
11		[] Organic 100 MW outlined	or more generator nam or nameplate capacity	eplate capacity	[] Organic 10	
12	Primary Purpose	of the Plant (North Ame	rican Industry Classific	ation System Code)		
13			ulatory Commission (FI nber(s). Separate by us		ility (QF) Cogenerator	[]Yes []No
14			ulatory Commission (Fl locket number(s). Sepa			[]Yes []No
15			ulatory Commission (Fl vide all QF docket numb			[]Yes []No
16			on Facilities: Enter the sinterconnected and the			Grid Voltage:

Energy	partment of E Information A IA-860 (2007)	nergy Administration	ANNUAL ELEC	TRIC GENER PORT	ATOR	Form Approve OMB No. 1905 Approval Exp	5-0129	
Entity	Name:							
Entity	ID:			Repo	rting Y	ear:		_
		SCH	EDULE 2. POV	VER PLAN	T DAT	A		
	(EXISTIN	G POWER PLANTS AND	THOSE PLANNED FOR	R INITIAL COMM	IERCIAL (OPERATION WITH	IN 5 YEARS)	
LINE	PL	LANT 4. (EXISTING OR	R PLANNED FOR IN	IITIAL COMME	RCIAL	PERATION WIT	HIN 5 YEARS	 5)
1	Plant Name	,	E	EIA Plant Code				•
2	Street Address							
3	County Name			City Name:				
4	State							
5	Zip Code							
6	Latitude (Degree	es, Minutes, Seconds)		Longitude (De	grees, Mi	nutes, Seconds)		
7	Enter Datum for	Latitude and Longitude, i	if Known; Otherwise E	nter "UNK"				
8	NERC Region							
9	Name of Water S	Source (For Purpose of Co	ooling or Hydroelectri	c)				
10	Boiler Status [] existing [] plani	ned [] retired					
11	Boiler Plant Type MW or Greater to	e []Organic 100 MW o Under 100 MW generato		meplate capacit	y	Organic 10		
12	Primary Purpose	e of the (North American	Industry Classification	n System Code)				
13		nave Federal Energy Regu tus? If Yes, provide all Q					[] Yes	[] No
14		nave Federal Energy Regu status? If Yes, provide a					[]Yes	[] No
15		nave Federal Energy Regu rator status? If Yes, prov					[]Yes	[] No
16		nission and/or Distributio lities to which the plant is					Grid Voltage:	

Energy I	eartment of Enei nformation Adn A-860 (2007)		ANNUAL ELEC	TRIC GENERA PORT	AIOR	Form Approve OMB No. 1905 Approval Expi	-0129		
Entity N	Name:				_				
Entity I	D:			Repoi	rting Ye	ear:			
		SCH	HEDULE 2. PO	WER PLANT	T DATA	4			
	(EXISTING P	OWER PLANTS AND	THOSE PLANNED FO	R INITIAL COMMI	ERCIAL O	PERATION WITH	N 5 YEARS)		
LINE	PLA	NT 5. (EXISTING O	R PLANNED FOR I	NITIAL COMME	RCIAL O	PERATION WIT	HIN 5 YEAR	 (S)	Ī
1	Plant Name	-		EIA Plant Code					
2	Street Address								
3	County Name			City Name:					
4	State			_					
5	Zip Code								
6	Latitude (Degrees	, Minutes, Seconds)		Longitude (De	egrees, Mi	nutes, Seconds)			
7	Enter Datum for La	atitude and Longitude	e, if Known; Otherwise	Enter "UNK"					
8	NERC Region								
9	Name of Water So	urce (For Purpose of	Cooling or Hydroelec	tric)					
10	Boiler Status [] existing [] pl	anned [] retired	I					
11	Boiler Plant Type MW or Greater to		W or more generator generator		city	[] Organic 10			
12	Primary Purpose	of the Plant (North Am	nerican Industry Class	ification System	Code)				
13			gulatory Commission QF docket number(s)				[] Yes	[] No	
14			egulatory Commission e all QF docket numbe				[] Yes	[] No	
15			egulatory Commission ovide all QF docket no				[] Yes	[]No	
16			tion Facilities: Enter t				Grid Voltage:		_

Energy Ir	artment of Ener nformation Adn 1-860 (2007)		ANNUAL ELECT	RIC GENERA PORT	ATOR	Form Approve OMB No. 1905 Approval Expire	-0129				
Entity N	lame:				_						
Entity II	D:			Repo	rting Y	ear:					
		SCF	IEDULE 2. POW	ER PLAN	ΓDAT	Α					
	(FXISTING P		THOSE PLANNED FOR				N 5 YFARS)				
LINE			R PLANNED FOR IN					(S)			
1	Plant Name			A Plant Code				,			
2	Street Address										
3	County Name			City Name:							
4	State	I		L	ı						
5	Zip Code										
6	Latitude (Degrees	s, Minutes, Seconds)		Longitude (De	egrees, N	linutes, Seconds)					
7	Enter Datum for L										
8	NERC Region										
9	Name of Water So	ource (For Purpose of	Cooling or Hydroelectr	ric)							
10	Boiler Status [] existing [] pl	anned [] retired								
11	Boiler Plant Type 10 MW or Greater		IW or more generator nerator nameplate capa		acity	[] Organic					
12	Primary Purpose	of the Plant (North An	nerican Industry Classi	fication System	Code)						
13			egulatory Commission (QF docket number(s).				[] Yes]] No		
14			egulatory Commission (all QF docket number				[] Yes	[] No		
15			egulatory Commission (ovide all QF docket nu				[] Yes]] No		
16		ission and/or Distribu		Grid Voltage:							

Energ	Department of Energy By Information Administration EIA-860 (2007)	ANNUAL	ELECTRIC (REPORT	GENERATOR	Form Approved OMB No. 1905-0129 Approval Expires:				
Entit	y Name:								
Entit	y ID:			Reporting Y	ear:				
	<u>, </u>	DULF 3. GF	NERATO	R INFORMA			_		
	(EXISTING GENERATORS AND		_	_	_	HIN 5 YEARS)			
LINE	SCHEDULE 3. PA	RT A. GEN	IERATOR		ION – GEN				
1	Plant Name								
2	EIA Plant Code								
		Genei (a		Gene (b		Gene (c			
3	Operator's Generator Identification								
4	Associated Boiler Identifications for organic-fueled steam generators, including heat recovery generators (for plants with a total generator nameplate capacity of 10 MW or greater)	1 2 3 4	5 6 7 8	1 2 3 4	5 6 7 8	1 2 3 4	5 6 7 8		
5	Prime Mover Code								
6	Unit Code (Required for combined cycle generators)								
7	Ownership Code								
8	Is this generator an electric utility or non-utility generator?		ric Utility n-Utility	[] Elect [] Non-	ric Utility Utility	[] Elect [] Nor	ric Utility n-Utility		
9	Date of Sale If Sold (MM-YYYY)								
10	Can This Generator Deliver Power to the Transmission Grid?	[]Yes	[] N o	[]Yes	[] No	[]Yes	[] No		
11	For Combined-cycle Steam Turbines, (prime mover = CA) does unit have duct-burners?	[] Yes	[] No	[]Yes	[] No	[]Yes	[] No		

Energy	partment of Energy Information Administr IA-860 (2007)	ration A	NNUAL	Form Approved OMB No. 1905-0129 Approval Expires:											
Entity	Name:						I	Entit	y ID:				-		
	Name:						I	Plan [.]	t Co	de:_					
Repor	ting Year:		_												
	SCHEDULE				OR INFO						GEN	ERA	TOI	RS	
					Generat	tor				erato b)	r		Gene		,
1	Generator Nameplate Ca	apacity (Meg	gawatts)						•				•		
2	Net Capacity	Summer													
	(Megawatts)	Winter													
	Reactive Power Output (MVAR) Corresponding to Net Summer														
3a	Capacity	Leading													
	For generators with nameplate capacity 10 MW or greater														
	Reactive Power Output	Lagging													
	(MVAR) Corresponding to Net Winter Capacity														
3b	For generators with														
	nameplate capacity 10 MW or greater														
4	Status Code														
5	5 If Status Code is Standby, can the generato be synchronized to the grid?			[] Yes	[] No		[]	Yes	[] No	[]	Yes N	0	[]
6	Initial Date of Operation	(MM-YYYY)													
7	Retirement Date (MM-Y)	YYY)													
8	Is this generator association combined Heat and Powinput is used to produce useful thermal output)? If Yes: Is this generator	wer system (e both electr	ricity and	[]Yes []No			[]Yes []No] No	[] Yes N	• []	
	cycle or a bottoming cy	cle?		[] To	opping []	Bottoming	9	[] Topping [] Bottoming				[] Topping [] Bottoming			
				ENERG'	Y SOURCE	S									
9	Predominant Energy So	urce													
9a	If coal-fired or petroleum coke fired, check all combustion technologies that apply to the associated boiler(s) and steam conditions			[] Flu [] Sul [] Sul [] Ulti	[] Pulverized coal [] Fluidized Bed [] Sub-critical [] Super-critical [] Ultra super-critical [] Carbon-capture [] Pulverized coal [] Fluidized Bed [] Sub-critical [] Super-critical [] Ultra super-critical [] Carbon-capture					[] Pulverized coal [] Fluidized Bed [] Sub-critical [] Ultra supercritical [] Carbon-capture			al		
10	Start-up and flame stabi														
11	Second Most Predominant Energy Source														
12	Other Energy Sources E for energy sources used of			а	b	С	d	а	b	С	d	а	b	С	d
	used.														

Energy	partment of Energy Information Administration IA-860 (2007)		ELECTRIC GE	_	EPORT OMB	Approve No. 1905- oval Expi	-0129	
	Name:				Entity ID:_			
Plant	Name:				Plant Cod	e:		
Repoi	rting Year:							
	SCHEDULE 3. PAR		ERATOR INF			NG GEN	ERATOR	RS
	,		Gen	erator	Gene		Gener	
	la this reported part of a Calid E		((a)	(b)	(c)
13	Is this generator part of a Solid For Gasification system?	uei	[]Yes	[] No	[]Yes	[] No	[] Yes	[] No
14	If Energy Source is Wind, Enter the Number of Turbines							
15	Tested Heat Rate (Btu/Kilowattho	ur)						
16	Fuel Used for Heat Rate Test (ent code or M for multiple fuels)	er fuel						
	PROPOSED CHANG	ES TO EXIS	STING GENER	ATORS (WITI	HIN THE NEX	5 YEAR	S)	
17a	Are there any planned modification generator (unit)?	ons to this	[]Yes [] No	[]Yes	[] No	[]Yes	[] No
17b	Planned uprates: 1. Incremental Net summer capacity 2. Incremental Net winter capacity 3. Planned Effective Date MM-YYY	y (MW)						
17c	Planned derates: 1. Incremental Net summer capacity 2. Incremental Net winter capacity 3. Planned Effective Date MM-YYY	y (MW)						
	Planned Repowering: 1. New Prime Mover							
17d	2. New Energy Source							
	3. Planned Effective Date MM-YYY	ΥΥ						
17e	Other Modifications? (explain in I	•	[]Yes [] No	[] Yes	[] No	[]Yes No	[]
	Planned Effective Date MM-YYYY							
17f	Planned Generator Retirement Planted Effective Date MM-YYYY	anned						

	Department of Energy	A B I B I I A I	EL ECTDI	C CENEDAT	00 DED		Form Approved OMB No. 1905-0129					
	y Information Administration EIA-860 (2007)	ANNUAL	ELECIRI	C GENERAT	UK KEP			al Expi				
	y Name:											
	t Name:											
	orting Year:						0000.					
, top	SCHEDULE 3 PART	TR GFN	FRATOR	RATOR INFORMATION – EXISTING GENERATORS								
				FOR EACH GE				J 0		. 0		
				Generator		(Senerat	or	C	Senerat	or	
				(a)			(b)			(c)		
	FUE	L SWITCH	ING AND	CO-FIRING	CAPABI	LITY						
	Ability to use multiple fuels											
	Does the combustion system that pow		[] Yes [] No			[]	Yes [] No	[]	res [] No	
18	generator have 1) the regulatory perm the equipment (including fuel storage											
	working order, necessary to either co		If No, skip	to SCHEDULE	3 Part	If No, s	skip to		If No,	skip to		
	or to fuel switch?		C.					Part C.	SCHE	DÜLE 3	Part	
	Abilia to Co Cine								C.			
	Ability to Co-Fire Can the unit co-fire fuels?] Yes		F 1 '	V00 [1 No	[]	/oo [] No	
19	(Note: co-firing excludes the limited use of an		-	o, skip to line 2			_] No line 23.		skip to	-	
	alternative fuel for startup or flame sta		""	o, skip to line z	.5.	11 140,	skip to	III I C 23.	ii ivo,	skip to	III I C 23.	
	Fuel Options for Co-Firing		а	b	С	а	b	С	а	b	С	
20	Enter the codes for up to six fuels that	can be co-										
20	fired:		d	е	f	d	е	f	d	е	f	
	Ability to Co-Fire Oil and Natural Ga	s Can the										
21	unit co-fire fuel oil with natural gas?		_] Yes [] No			_] No	[]	_] No	
			If N	o, skip to line 2	23.	If No,	skip to	line 23.	If No,	skip to	line 23.	
	Ability to Co-Fire Oil		_									
	a. Can the unit run on 100% oil?] []Yes []No		[]	Yes [] No	[]	Yes [] No	
	If Yes, skip to Line 23.											
	If No, what is the:	(1D4)										
22	 Maximum oil heat input (% of MI when co-firing with natural gas? 	VIBtus)										
	 Maximum output (net summer M achievable, when making the maximum and co-firing natural gas? 			%			%			%		
				B 4\ A /			R 41.4	,		R 41 4	.,	
	Ability to Eugl Switch			MW		MW			MW			
23	Ability to Fuel Switch Can the unit fuel switch?		_] Yes [] No skip to Sch. 3 P] No		
	Can the unit fuel Switch?		II NO, S	skip io Scii. 3 P	ail U.	If No, skip to Sch. 3						

Energ	Department of Energy gy Information Administration EIA-860 (2007)		ELECTRIC		OR REP	ORT O	Form Approved OMB No. 1905-0129 Approval Expires:							
	y Name:													
	t Name:						nt Code:							
	orting Year:													
			ERATOR NE COLUMN F				EXISTING GENERATORS Y PLANT)							
	<u> </u>	OWN LLTL OI		Generator	INLINATO		enerat	or		Generator				
				(a)			(b)		(c)					
	Oil – Natural Gas Fuel Switching													
	a. Can the unit switch between oil and gas?	natural	[]	Yes []No	0	[] Y	es [] No	[]	Yes [] No			
	If No, skip to line 26.													
	If Yes:													
	• Can the unit switch fuels whil (i.e., without shutting down the unit)?	e operating	r 1	. 1	es [1 No	[]Yes []No							
	Net summer MW achievable when on natural gas:	n running	[]Yes []No				es [.,	ies [] NO				
	Net summer MW achievable when on fuel oil:	M\	N		_ MW		MW							
24		me Required to Switch this unit from using recent natural gas to using 100 percent oil one box):			MW				MW					
			[] 0 to 6 hours				6 hours	2	[] 0 to 6 hours					
			over 6 to			[]over				er 6 to 2				
			[] over 24 t					72 hours	hours), O (O <u>-</u>	•			
			[] over 72 h			over				er 24 to	72			
				or uncertair	1	[] Unki			hours	70.1				
						uncerta	in			er 72 ho known d				
									uncert		ונ			
	Limits on Oil-Fired Operation													
	•		[]	Yes [] No	D	[]	Yes [] No	[]	Yes [] No			
	A. Are there factors that limit your	ability to	() Limited	on site fuel	storage.	() Lin				mited c				
	switch from Natural Gas to oil?		() Air Perm	nit limits		fuel st	orage.		fuels	storage	•			
25	If No, skip to line 26. If Yes: B . Check factors that apply.		,			() Air	Permi	t limits	() A	ir Perm	it			
B. Check factors that apply.			() Other	SCHEDUI E	7)	() Oth	ner		limits	3				
							in in		() O					
					SCHEDULE 7)			(explain in SCHEDULE 7)						
	Fuel Switching Options	-	а	b	С	а	b	С	а	b	г)			
	Enter the codes for up to six fuels that	can be												
26	used as a sole source of fuel for this u		d	е	f	d	е	f	d	е	f			

U.S. Department of Energy Energy Information Administration Form EIA-860 (2007)			ANNUAL ELECTRIC GENERATOR REPORT			TOR	Form Approved OMB No. 1905-0129 Approval Expires:							
	ty Name:													
	ty ID:						Repo	- rting Y	ear:_				_	
	SCHEDULE 3. PA	RT C. GE									ENE	RATO	RS	
Plant										· · · ·				
EIA PI	ant Code				erator				nerator		Generator (c)			
Opera	tor's Generator Identification	n			(a)				(b)				c)	
1	Generator Nameplate Capa (Megawatts)	city												
2 Net Capacity (Megawatt	Net Capacity (Megawatts)	Summer												
		Winter												
	Reactive Power Output (MVAR) Corresponding to	Lagging												
	• •	Leading												
3b	Reactive Power Output (MVAR) Corresponding to Net Winter Capacity For generators with nameplate capacity 10 MW or greater	Lagging												
		Leading												
4	Status Code													
5	Planned Original Effective YYYY)	Date (MM-												
6	Planned Current Effective YYYY)	Date (MM-												
7	Will this generator be associated with a Combined Heat and Power system (fuel input is used to produce both electricity and useful thermal output)?]] Yes	[] No	I] Yes	[] No	ſ] Yes	[] No
8	Will this generator be part of a Solid Fuel Gasification system?]] Yes	[] No	ſ] Yes	[] No	ſ] Yes	I] No
9	Is this generator part of a s previously reported as ind postponed or cancelled?] Yes	[] No	ſ] Yes	[] No	ſ] Yes	ı] No
				PLANN	ED EN	ERGY S	SOUF	RCES						
10	Expected Predominant En	ergy Source												
11	If coal-fired or petroleum coke fired, check all combustion technologies that apply to the associated boiler(s) and steam conditions		[] Pulverized coal [] Fluidized Bed [] Sub-critical [] Super-critical			Pulverized coal Fluidized Bed Sub-critical Super-critical			[] Pulverized coal [] Fluidized Bed [] Sub-critical [] Super-critical					

Energ	Department of Energy ly Information Administration EIA-860 (2007)	ANNUAL		RIC GEN PORT	IERATO	OME	Form Approved OMB No. 1905-0129 Approval Expires:				
Entit	y Name:										
Entit	y ID:	Reporting Year:									
	SCHEDULE 3. PART C. GE (COMPLETE C							ENERA	TORS		
Plant I	Name	G	enerator		Generator			Generator			
IA PI	ant Code		(a)		`	(b)			(c)		
Opera	tor's Generator Identification		(4)			(2)			(0)		
14	If Energy Source Is Wind, Enter The Number Of Turbines										
		COMBL	JSTIBLE	FUEL C	APABIL	TY					
	Ability to use multiple fuels										
15	Will the combustion system that powers this generator have 1) the regulatory permits, and 2) the equipment (including fuel storage facilities) necessary to either co-fire fuels or to fuel switch?		es [] Nondetermine	ied	[] Yes [] No [] Undetermined If No or Undetermined, skip			[] Yes [] No [] Undetermined			
	do in a radio of to radio owners.		Sch. 4.	u, skip to		to Sch. 4.		to Sch. 4.			
	Ability to Co-Fire	[] Yes [] No			[]	Yes []	No	[]	Yes []I	No	
	Will the unit be able to co-fire fuels?										
16	(Note: co-firing excludes the limited use of an alternative fuel for startup or flame stabilization.)	If No, skip to line 20.			If No, skip to line 20.			If No, skip to line 20.			
		а	b	С	а	b	С	а	b	С	
	Fuel Options for Co-Firing										
17	Enter the codes for up to six fuels that can be co-fired:	d	е	f	d	е	f	d	е	f	
	Ability to Co-Fire Oil and Natural Gas	[]Y	es []N	lo	[1	Yes []	No	[1]	⊥ Yes []I	No.	
18	Will the unit be able to co-fire fuel oil with natural gas?		skip to line			skip to lin			skip to lin		
	Ability to Co-Fire Oil										
	a. Will the unit be able to run on 100% oil?	[] Yes []] No		[]Yes	[] No		[]Yes	[] No		
	If Yes, skip to Line 20.										
19	If No, what is:										
	 Maximum oil heat input (% of MMBtus) when co-firing with natural gas? 	9	%			_%			_ %		
	 Maximum output (net summer MW) achievable, when making the maximum use of oil and co-firing natural gas? 	N	MW			MW			MW		
20	Ability to Fuel Switch		'es []N	o		Yes []		[] Yes [] No			
	Will the unit be able to fuel switch?	If No, skip to	o Sch. 4.		If No, skip to Sch. 4.			If No, skip to Sch. 4.			

U.S. Department of Energy
Energy Information Administration
Form EIA-860 (2007)

Energ	Department of Energy INITY INFORMATION DESCRIPTION DES	ANNUAL ELECTRIC GEN REPORT	OMB No. 190	Form Approved OMB No. 1905-0129 Approval Expires:						
Entit	y Name:									
	y ID:	Reporting Year:								
		NERATOR INFORMATION — PROPOSED GENERATORS ONE COLUMN FOR EACH GENERATOR, BY PLANT)								
Plant Name		Generator	Generator	Generator						
EIA Plant Code		(a)	(b)	(c)						
Operator's Generator Identification		()		()						
	Oil – Natural Gas Fuel Switching									
	a. Will the unit be able to switch between oil and natural gas?	[]Yes []No	[]Yes []No	[] Yes [] No						
	If No, skip to line 23. If Yes:									
	Will the unit be able to switch fuels while operating (i.e., without shutting down the unit)?	[]Yes []No	[]Yes []No	[]Yes []No						
21	Expected net summer MW achievable running on natural gas:	MW	MW	MW						
	• Expected net summer MW achievable running on fuel oil:	MW	MW	MW						
	• Expected Time Required to Switch this unit from using 100 percent natural gas to using 100 percent oil	[] 0 to 6 hours	[] 0 to 6 hours	[] 0 to 6 hours						
	3	[] over 6 to 24 hours	[] over 6 to 24 hours	[] over 6 to 24 hours						
		[] over 24 to 72 hours	[] over 24 to 72 hours	[] over 24 to 72 hours						
		[] over 72 hours [] unknown or uncertain	[] over 72 hours. [] unknown or uncertain	[] over 72 hours [] unknown or uncertain						
	Limits on Oil-Fired Operation									
22	A. Are there factors that will limit your ability to switch from Natural Gas to oil? If No, skip to line 23. If Yes: B. Check factors that apply.	[] Yes [] No () Limited on site fuel storage.	[] Yes [] No () Limited on site fuel storage.	[] Yes [] No () Limited on site fuel storage.						
			İ							

		[[] 0 1 0 1 0 1 0 1 1 1 1 1 1 1 1 1 1 1 1			[]			[1]			
		[] over 24 to	72 hour	'S	[] over 2	[] over 24 to 72 hours			[] over 24 to 72 hours		
					1	[] over 72 hours.			[] over 72 hours [] unknown or uncertain		
	Limits on Oil-Fired Operation										
	A. Are there factors that will limit your ability to switch from Natural Gas to oil?	[] Ye	1[] a	No	[]	Yes []	No	[]	Yes []	No	
22	If No, skip to line 23. If Yes: B . Check factors that apply.	1 * *			() Limited on site fuel storage.			() Limited on site fuel storage.			
		() Air Permit limits			() Air Permit limits			() Air Permit limits			
		() Other	() Other			() Other			() Other		
		(explain in S	CHEDU	JLE 7)	(explain in SCHEDULE 7)			(explain in SCHEDULE 7)			
	Fuel Switching Options	а	b	С	а	b	С	а	b	С	
	Enter the codes for up to six fuels that										
23	can be used as a sole source of fuel for this unit.	d	е	f	d	е	f	d	е	f	
									1		

U.S. Department of Energy Form Approved ANNUAL ELECTRIC GENERATOR **Energy Information Administration** OMB No. 1905-0129 REPORT Form EIA-860 (2007) Approval Expires: Entity Name: Entity ID: Reporting Year: SCHEDULE 4. OWNERSHIP OF GENERATORS OWNED JOINTLY OR BY OTHERS PLANT NAME (a) **EIA PLANT CODE (b) OPERATOR'S GENERATOR IDENTIFICATION (c)** IDENTIFICATION OF OWNERS - OWNER NAME(S) AND CONTACT INFORMATION (d) Owner/Joint Owner 1: Name % OWNED (e): Street Address City, State and Zip Code **EIA CODE: JOINT OWNER 2:** Name % OWNED (e): Street Address City, State and Zip Code **EIA CODE:** JOINT OWNER 3: Name % OWNED (e): Street Address City, State and Zip Code **EIA CODE:** JOINT OWNER 4: Name % OWNED (e): Street Address City, State and Zip Code **EIA CODE:** JOINT OWNER 5: Name % OWNED (e): Street Address City, State and Zip Code **EIA CODE:** JOINT OWNER 6: Name % OWNED (e): Street Address **EIA CODE:** City, State and Zip Code JOINT OWNER 7: Name % OWNED (e): Street Address City, State and Zip Code **EIA CODE:** JOINT OWNER 8: Name % OWNED (e): Street Address City, State and Zip Code **EIA CODE:** JOINT OWNER 9: Name % OWNED (e): Street Address City, State and Zip Code **EIA CODE:** JOINT OWNER 10: Name % OWNED (e): Street Address City, State and Zip Code **EIA CODE:** Total 100%

U.S. Department of Energy
Energy Information Administration
Form FIA-860 (2007)

ANNUAL ELECTRIC GENERATOR REPORT

Form Approved OMB No. 1905-0129 Approval Expires:

Entity Name:		
Entity ID:	_ Reporting Year:	

	SCHEDULE 5. NEW GENER (COMPLETE FOR EACH GENERAL			
.INE				,
1	Plant Name and EIA Plant Code	Name:	Name:	Name:
	On a rate v'a Conserter Identification	Code:	Code:	Code:
2	Operator's Generator Identification			
4	Date Of Actual Generator Interconnection (MM-YYYY)			
5	Date Of The Initial Interconnection Request (MM-YYYY)			
6	Interconnection Site Location (Nearest City or Town, State)	City: State:	City: State:	City: State:
7	Grid Voltage At The Point Of Interconnection (kV)			
8	Owner Of The Transmission Or Distribution Facilities To Which Generator is Interconnected			
9	Total Cost Incurred For The Direct, Physical Interconnection (Thousand \$)			
	Equipment Included In The Direct Interconnection Cost (Check All Of The Following That Apply:)			
	a. Transmission Or Distribution Line:	[] Yes [] No	[] Yes [] No	[] Yes [] No
10	b. Transformer	[] Yes [] No	[] Yes [] No	[] Yes [] No
	c. Protective Devices	[] Yes [] No	[] Yes [] No	[] Yes [] No
	d. Substation Or Switching Station	[] Yes [] No	[] Yes [] No	[] Yes [] No
	e. Other Equipment (specify in SCHEDULE 7, Footnotes)	[] Yes [] No	[] Yes [] No	[] Yes [] No
11	a. Total Cost For Other Grid Enhancements/ Reinforcements Needed To Accommodate Power Deliveries From the Generator (Thousand \$)			
	b. Will This Cost Be Repaid?	[] Yes [] No	[] Yes [] No	[] Yes [] No
12	Were Specific Transmission Use Rights Secured As A Result Of The Interconnection Costs Incurred?	[] Yes [] No	[] Yes [] No	[] Yes [] No

Energ	Department of Energy ly Information Adminis EIA-860 (2007)	tration	NUAL ELECTRIC G REPORT	ENERATOR ON	rm Approved //B No. 1905-0129 proval Expires:	
Entit	y Name:			Enti	ty ID:	
Plan	t Name:			Plar	nt Code:	
Rep	orting Year:					
	(FC	OR PLANTS EQUAL	. PART A. PLAN TO OR GREATER THAN	10 MW BUT LESS TH	AN 100 MW,	
		EQUIPMENT	LINES 1, 2, 3, AND IF A EQUIPMENT			EQUIPMENT
LINE	EQUIPMENT TYPE		N IDENTIFICATION			T
		(a)	(b)	(c)	(d)	(e)
1	Boiler					
2	Associated Generator(s)					
3	Generator Associations with Boiler as Actual or Theoretical (indicate "A" for actual association or "T" for theoretical association)					
4	Associated Cooling System(s)					
5	Associated Flue Gas Particulate Collector(s) (include flue gas desulfurization units that also remove particulate matter)					
6	Associated Flue Gas Desulfurization Unit(s) (include flue gas particulate collectors that also remove sulfur dioxide)					
7	Associated Stack(s)					
8	Associated Flue(s)					
	CHECK IF I	PRE-PRINTED D	ATA ARE CORRECT	<u> </u>	1	1

Energy In	artment of Energy nformation Administration -860 (2007)	ANNUAL ELECTRI REPO		OMB No. 1905	Form Approved OMB No. 1905-0129 Approval Expires:				
Entity N	lame:		Entity ID:						
Plant N	ame:			Plant Code:					
Reporti	ng Year:	_							
	•		ANTS L	ESS THAN 100 MV					
LINE									
1	Boiler ID (as reported on SCHED 1)	DULE 6. PART A. line							
2	Type Of Boiler Standards Under Operating (use codes)	Which The Boiler Is		Da[] Db[] Dc CI[] CM[] N[]					
2a	Is Boiler Subject to New Source Review (NSR) requirements?	[] Yes [] No						
	CATEGORY	PARTICULATE (a)	MATTER	SULFUR DIOXIDE (b)	NITROGEN OXIDES (c)				
3	Type of Statute or Regulation (use codes)	FD[]ST[]	lro[]	FD[]ST[]LO[FD[]ST[]LO[
4	Emission Standard Specified								
5	Unit of Measurement Specified (use codes)								
6	Time Period Specified (use code								
7	Year Boiler Was or is Expected to Be in Compliance With Federal, State and/or Local Regulation	0							
8	If Not in Compliance, Strategy for Compliance (use codes)								
9	Select Existing Strategies to me the Sulfur Dioxide and Nitrogen Oxides Requirements of Title IV the Clean Air Act Amendment of 1990 (use codes)	of							
10	Select Planned Strategies to me the Sulfur Dioxide and Nitrogen Oxides Requirements of Title IV the Clean Air Act Amendment of 1990 (use codes)	of							

Energy lı	artment of Energy nformation Administration A-860 (2007)		RIC GENERATOR PORT	Form Approved OMB No. 1905-0129 Approval Expires:	
	lame:		E	Entity ID:	
•	ame:			Plant Code:	
	ng Year:		·		
, topoin	SCHEDULE 6. P	ART C. BOIL FR	INFORMATION -	- DESIGN PARAMETER	S
		T REQUIRED F		SS THAN 100 MW)	
LINE		•		,	
1	Boiler ID (as reported on SCHE line 1)	DULE 6 PART A.			
2	Boiler Status (use codes)				
3	Boiler Actual or Projected Date Operation (e.g., 12-2001)				
4	Boiler Actual or Projected Retir 12-2001)	ement Date (e.g.,			
5	Boiler Manufacturer (use code				
6	Type of Firing Used with Prima codes)	, ,			
7	Maximum Continuous Steam F Load (thousand pounds per ho	ur)			
8	Design Firing Rate at Maximum Flow for Coal (nearest 0.1 ton p				
9	Design Firing Rate at Maximum Flow for Petroleum (nearest 0.1				
10	Design Firing Rate at Maximum Flow for Gas (nearest 0.1 thous hour)				
11	Design Firing Rate at Maximum Flow for Other (specify fuel and SCHEDULE 7)				
12	Design Waste Heat Input Rate a Continuous Steam Flow (million				
13	Primary Fuels Used in Order of (use codes)	Predominance			
14	Boiler Efficiency When Burning 100 Percent Load (nearest 0.1 p				
15	Boiler Efficiency When Burning Percent Load (nearest 0.1 percent				
16	Total Air Flow Including Excess Load (cubic feet per minute at conditions)				
17	Wet Or Dry Bottom (for coal-ca (enter "W" for Wet or "D" for Dr				
18	Fly Ash Re-injection (enter "Y" No)	for Yes or "N" for			

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Er	ntity Name: Entity ID:										
Pla	ant Name:			Plant Co				ode:			
Re	eporting Year:										
	SCHEDULE	6. PART D			ON — NITROGI E PAGE FOR EACH I		E EMISSI	ON CONTR	OLS		
1	Boiler ID (as rep SCHEDULE 6. F)								
2	Nitrogen Oxide Control Status (use codes)										
	NITROGEN OXIDE CONTROL EQUIPMENT AND OR PROCESS										
3	Low Nitrogen Oxide Control Process (use codes)										
4	Manufacturer of Oxide Control E										
	SCHEDU	JLE 6. PAF	RT E. BOIL	ER INFORM	ATION - MER	CURY EN	MISSION	CONTROLS	3		
1	Does This Boiler Have Mercury			es This Boiler Have Mercury ission Controls? (check yes or Yes [] No []							
	If "Yes," Check	all of the box	es that apply	below:	1	1	ı	1	1	Ţ	
2	Activated carbon injection system	Baghouse []	Dry scrubber []	Electrostatic precipitator	Flue gas desulfurization []	Lime injection []	Wet scrubber []	Allowances	Other []		

J.S. Department of Energy Energy Information Administration Form EIA-860 (2007)		ANNUAL ELECTRIC GENERATO REPORT	OR Form Approved OMB No. 1905-0 Approval Expire	129	
			Entity ID:		
-			•		
Plant Name: Plant Code:					
	ng Year:			_	
	(DATA NOT R	COOLING SYSTEM INFORMATE EQUIRED FOR PLANTS LES LETE A SEPARATE PAGE FOR EACH COOL	S THAN 100 MW)		
LINE	(**************************************		,		
1		on SCHEDULE 6. PART A. line 4)			
2	Cooling System Status (use co				
3		ected In-service Date of Commercial Op	peration (e.g., 12-2001)		
5	Type of Cooling System (use codes) Source of Cooling Water Including Makeup Water (name) (if discharge is into different water body, footnote in SCHEDULE 7)				
6		e at 100 percent Load at Intake (cubic	feet per second)		
7	Actual or Projected In-Service Date for Chlorine Discharge Control Structures and Equipment (month and year of commercial operation, e.g., 12-1982)				
	I .	COOLING PONDS			
8	Actual or Projected In-Service Date (month and year of commercial operation, e.g. 12-1982)				
9	Total Surface Area (acres)				
10	Total Volume (acre-feet)				
		COOLING TOWERS			
11	Actual or Projected In-service Date (month and year of commercial operation, e.g., 12-1982)				
12	Type of Towers (use codes)				
13	Maximum Design Rate of Water Flow at 100 Percent Load (cubic feet per second)				
14	Maximum Power Requirement at 100 Percent Load (megawatthours)				
45		ING SYSTEM EXCLUDING LAND AND	CONDENSERS (thousar	nd dollars)	
15 16	Total System Pends (if applicable)				
17	Ponds (if applicable) Towers (if applicable)				
18	Chlorine Discharge Control Structures and Equipment (if applicable)				
COOLING WATER INTAKE AND OUTLET LOCATIONS					
	l7	ЕМ	INTAKE (a)	OUTLET (b)	
19	Maximum Distance from Shore	(feet)			
20	Average Distance below Water	Surface (feet)			
21	Latitude (degrees, minutes, sec	conds)			
22	Longitude (degrees, minutes, s	econds)			
23	Enter Datum for Latitude and L	ongitude, if Known; Otherwise			

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Entity Name: Entity ID:					
Plant Name: Plant Code:					
Reportin	ng Year:	<u></u>			
SCHEDULE 6. PART G. FLUE GAS PARTICULATE COLLECTOR INFORMATION (COMPLETE A SEPARATE PAGE FOR EACH FLUE GAS PARTICULATE COLLECTOR)					
LINE					
1	Flue Gas Particulate Collector ID (as reported on SCHEDULE 6. PART A. line 5)				
2	Flue Gas Particulate Collector Actual or Projected In-Service Date of Commercial Operation (e.g., 12-2001)				
3	Flue Gas Particulate Collector Status (use code)				
4	Type of Flue Gas Particulate Collector (use codes)				
5	5 Installed Cost of Flue Gas Particulate Collector Excluding Land (thousand dollars)				
DESIGN FUEL SPECIFICATIONS FOR ASH (AS BURNED, TO NEAREST 0.1 PERCENT BY WEIGHT)					
6	For Coal				
7	For Petroleum				
DESIGN FUEL SPECIFICATIONS FOR SULFUR (AS BURNED, TO NEAREST 0.1 PERCENT BY WEIGHT)					
8	For Coal				
9	For Petroleum				
DESIGN SPECIFICATIONS AT 100 PERCENT GENERATOR LOAD					
10	Collection Efficiency (to nearest 0.1 percent)				
11	Particulate Emission Rate (pounds per hour)				
12	Particulate Collector Gas Exit Rate (actual cubic feet per minute)				
13	Particulate Collector Gas Exit Temperature (degrees Fahrenheit)				

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Entity N	ame:		Entity ID:	
Plant Na	ame:		Plant Code:	
Reportin	ng Year:			
	CHEDULE 6. PART H. FL	UE GAS DESULFURIZATION UN EPARATE PAGE FOR EACH FLUE GAS DESULF		S
LINE				
1	Flue Gas Desulfurization Unit ID (as reported on SCHEDULE 6. PART A. line 6)			
2	Flue Gas Desulfurization Unit Status (use codes)			
3	Flue Gas Desulfurization Unit Actual or Projected In-service Date of Commercial Operation (e.g., 12-2001)			
4	Type of Flue Gas Desulfuriz			
5	Type of Sorbent (use code)			
6	Salable Byproduct Recovery	(enter "Y" for Yes or "N" for No)		
7	Flue Gas Desulfurization Unit Manufacturer (use code)			
8	Annual Pond and Land Fill Requirements (nearest acre foot per year)			
9	Is Sludge Pond Lined (enter "Y" for Yes, "N" for No, or "NA" for Not Applicable)			
10	Can Flue Gas Bypass Flue Gas Desulfurization Unit (enter "Y" for Yes or "N" for No)			
		SIGN FUEL SPECIFICATIONS FOR CO	AL	
11	Ash (to nearest 0.1 percent	by weight)		
12	Sulfur (to nearest 0.1 percent by weight)			
		DESULFURIZATION UNIT SCRUBBER	TRAINS (OR MODULES)	
13	Total			
14	Operated at 100 Percent Load			
DESIGN SPECIFICATIONS OF FLUE GAS DESULFURIZATION UNIT AT 100 PERCENT GENERATOR LOAD				
15	Removal Efficiency for Sulfur Dioxide (to nearest 0.1 percent by weight)			
16	Sulfur Dioxide Emission Rate (pounds per hour)			
17	Flue Gas Exit Rate (actual cubic feet per minute)			
18	Flue Gas Exit Temperature (degrees Fahrenheit)			
19	Flue Gas Entering Flue Gas Desulfurization Unit (percent of total)			
INS	TALLED COST OF FLUE GAS	S DESULFURIZATION UNIT, EXCLUDIN	G LAND (THOUSAND DOLLAR	(S)
20	Structures and Equipment			
21	Sludge Transport and Disposal System			
22	Other (installed cost of flue gas desulfurization unit)			
23	Total (sum of lines 20, 21, 22)			

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Entity Name: Entity ID:			<u> </u>	
Plant Na	lant Name:Plant Code:			
Reportir	ng Year:			
		TACK AND FLUE INFORMATION	- DESIGN DADAM	ETEDS
,				LILKO
		EQUIRED FOR PLANTS LESS T LETE A SEPARATE PAGE FOR EACH STACK AN		
LINE	(18100)	ELTE A DEI AKATET ADE FOK EADITOTAGKA	ID I LOL)	
1	Flue ID (as reported on SCH	EDITIES DARTA line 8)		
2	Flue ID (as reported on SCHEDULE 6. PART A. line 8) Stack ID (as reported on SCHEDULE 6. PART A. line 7)			
			Operation (e.g. 12-	
3	Stack (or Flue) Actual or Projected In-Service Date of Commercial Operation (e.g., 12-2001)			
4	Status of Stack (or Flue) (use code)			
5	Flue Height at Top from Ground Level (feet)			
6				
DESIGN FLUE GAS EXIT (AT TOP OF STACK)				
7	Rate at 100 Percent Load (actual cubic feet per minute)			
8	Rate at 50 Percent Load (actual cubic feet per minute)			
9	Temperature at 100 Percent Load (degrees Fahrenheit)			
10	Temperature at 50 Percent Load (degrees Fahrenheit)			
11	Velocity at 100 Percent Load (feet per second)			
12	Velocity at 50 Percent Load (feet per second)			
ACTUAL SEASONAL FLUE GAS EXIT TEMPERATURE (DEGREES FAHRENHEIT)				
13	Summer Season			
14	Winter Season			
15				
STACK LOCATION				
16	Stack Location - Latitude (degrees, minutes, seconds)			
17	Stack Location - Longitude (degrees, minutes, seconds)			
18	Enter Datum for Latitude and Longitude, if Known; Otherwise Enter "UNK"			

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Entity Name:		•		
Entity ID:			Reporting	Year:
, <u> </u>		SCHE	DULE 7. COMMENTS	
001150111.5				NOTES
SCHEDULE	PART	LINE	PROVIDE ALL IDENTIFYIN	
NUMBER	(b)	NUMBER	PROVIDE ALL IDENTIFYING CODES (e.g., plant code, generate id, boiler id) to which the comment applies.	
(a)		(c)	_	(d)